

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Case No. 00-713-i12)

-57	•	,	
In the Applicati	on of:)	
	Mirkin et al.	Examiner: J. Riley	
Serial No.	09/975,376)) Group Art Unit: 1656	
Filed:	October 11, 2001)	
For:	Nanoparticles Having Oligonucleotides Attached Thereto and Uses Therefor) Confirmation No.: 9821	
U.S. Patent and Box Sequence, Arlington, VA 2			
Sir:	TRANSMITT	AT TETTED	
		AL LETTER	
In regar	rd to the above identified application:		
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	 a. Response to Notice to Comply d b. Copy of the Notice to Comply c. Substitute Sequence Listing (pap d). Return Receipt Postcard 	ated April 22, 2002 per copy and computer readable form on 3.5" diskette)	
2.	With respect to additional fees:		
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4.	Letter and the paper, as described in para States Postal Service with sufficient post	The undersigned hereby certifies that this Transmittal graph 1 hereinabove, are being deposited with the United tage as first class mail in an envelope addressed to: U.S. ence, P.O. Box 2327 Arlington, VA 22202 on this By Emily Miao	

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
			

09/975,376

10/11/2001

Chad A. Mirkin

00-713-i12

CONFIRMATION NO. 9821

FORMALITIES LETTER

Emily Miao McDonnell Boehnen Hulbert & Berghoff 32nd Floor 300 S. Wacker Drive Chicago, IL 60606

Date Mailed: 04/22/2002

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of
the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as
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of the sequence listing information recorded in computer readable form is identical to the written (on paper
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1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

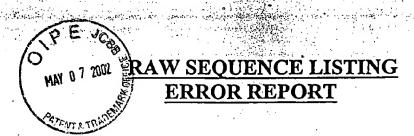
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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/975, 376

Source: 1656

Date Processed by STIC: 3-4-2001

-- MAR 1 9 2002

TECH CENTER 1600/2900

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PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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Revised 01/29/2002



Raw Sequence Listing Error Summary.

MAR 1 9 2002 TECH CENTER 1600/2900

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/975, 376
ATTN: NEW RULES CASES	: Please disregard english "Alpha" Headers, which were inserted by PTO software
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Usc of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <13> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

AMC - Biotechnology Systems Branch - 06/04/2001





RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/975,376

DATE: 03/04/2002 TIME: 14:54:56

Input Set : A:\00-713-i12seq list.txt

Output Set: N:\CRF3\03042002\1975376.raw Does Not Comply

Corrected Diskette Needed 3 <110> APPLICANT: Mirkin, Chad A. Letsinger, Robert L. Mucic, Robert C. Storhoff, James J. Elghanian, Robert Taton, Thomas A. 10 <120> TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO AND USES THEREFOR 13 <130> FILE REFERENCE: 00-713-i12 15 <140> CURRENT APPLICATION NUMBER: 09/975,376 16 <141> CURRENT FILING DATE: 2001-10-11 18 <150> PRIOR APPLICATION NUMBER: 09/603,830 19 <151> PRIOR FILING DATE: 2000-06-26 21 <150> PRIOR APPLICATION NUMBER: 09/344,667 22 <151> PRIOR FILING DATE: 1999-06-25 24 <150> PRIOR APPLICATION NUMBER: 09/240,755 25 <151> PRIOR FILING DATE: 1999-01-29 27 <150> PRIOR APPLICATION NUMBER: PCT/US97/12783 28 <151> PRIOR FILING DATE: 1997-07-21 30 <150> PRIOR APPLICATION NUMBER: 60/031,809 31 <151> PRIOR FILING DATE: 1996-07-29 33 <150> PRIOR APPLICATION NUMBER: 60/200,161 34 <151> PRIOR FILING DATE: 2000-04-26 36 <160> NUMBER OF SEQ ID NOS: 64

ERRORED SEQUENCES

763 <210> SEQ ID NO: 57

764 <211> LENGTH: 12

765 <212> TYPE: DNA

766 <213> ORGANISM: Anthrax

38 <170> SOFTWARE: Microsoft Word 2000

768 <400> SEQUENCE: 57

E--> 769 taacaataat cc

All n' must be explained in fecture, numeric identifiers <2207 - <2237. See i'len # 9 on Error Summary Sheet.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/975,376

DATE: 03/04/2002

TIME: 14:54:57

Input Set : A:\00-713-il2seq list.txt
Output Set: N:\CRF3\03042002\I975376.raw

L:769 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:57